

S/N 10/801,784

Atty Dkt No. GP-303910 (GM-0449PUSP)

Listing of Claims

1. (currently amended) A multi-speed transmission comprising:
an input shaft;
an output shaft;
a planetary gear arrangement having first, second and third planetary gear sets,
each planetary gear set having first, second and third members;
said input shaft being continuously interconnected with said first member of said
first planetary gear set, and said output shaft being continuously interconnected with said first
member of said third planetary gear set;
a first torque-transmitting mechanism selectively interconnecting said second
member of said second planetary gear set with a transmission housing;
a second torque-transmitting mechanism selectively interconnecting said third
member of said second planetary gear set with said transmission housing;
a third torque-transmitting mechanism selectively interconnecting said second
member of said first planetary gear set with said third member of said second planetary gear set;
a fourth torque-transmitting mechanism selectively interconnecting said first
member of said first planetary gear set with said second member of said third planetary gear set;
a fifth torque-transmitting mechanism selectively interconnecting said third
member of said first planetary gear set with said transmission housing;
a sixth torque-transmitting mechanism selectively interconnecting said second
member of said first planetary gear set with said third member of said third planetary gear set;
wherein fluid for applying said third and sixth torque-transmitting mechanisms is
carried through a shaft which is connected to a sun gear of said first planetary gear set; and
wherein said first member of said second planetary gear set and said first member
of said third planetary gear set comprise a single elongated ring gear;
said first, second, third, fourth, fifth and sixth torque-transmitting mechanisms
being engaged in combinations of three to establish seven forward speed ratios and a reverse
speed ratio between said input shaft and said output shaft.

2. (cancelled)

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3. (original) The transmission of claim 1, wherein said second planetary gear set is a simple planetary gear set, and said third planetary gear set is a compound planetary gear set.

4. (original) The transmission of claim 1, wherein each of said first members is a ring gear, each of said second members is a planet carrier assembly member, and each of said third members is a sun gear.

5. (original) The transmission of claim 1, wherein said first member of said second planetary gear set is integral with said first member of said third planetary gear set.

6. (original) The transmission of claim 1, wherein said shaft which is connected to the sun gear of the first planetary gear set is hollow and includes substantially radially-extending apertures to carry the fluid to said third and sixth torque-transmitting mechanisms.

7. (original) A multi-speed transmission comprising:
an input shaft;
an output shaft;
a planetary gear arrangement having first, second and third planetary gear sets, each planetary gear set having first, second and third members;
said input shaft being continuously interconnected with said first member of said first planetary gear set, and said output shaft being continuously interconnected with said first member of said third planetary gear set;
said first member of said second planetary gear set being integral with said first member of said third planetary gear set;
a first torque-transmitting mechanism selectively interconnecting said second member of said second planetary gear set with a transmission housing;
a second torque-transmitting mechanism selectively interconnecting said third member of said second planetary gear set with said transmission housing;

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a third torque-transmitting mechanism selectively interconnecting said second member of said first planetary gear set with said third member of said second planetary gear set;

a fourth torque-transmitting mechanism selectively interconnecting said first member of said first planetary gear set with said second member of said third planetary gear set;

a fifth torque-transmitting mechanism selectively interconnecting said third member of said first planetary gear set with said transmission housing;

a sixth torque-transmitting mechanism selectively interconnecting said second member of said first planetary gear set with said third member of said third planetary gear set;

wherein fluid for applying said third and sixth torque-transmitting mechanisms is carried through a shaft which is connected to a sun gear of said first planetary gear set;

wherein each of said first members is a ring gear, each of said second members is a planet carrier assembly member, and each of said third members is a sun gear;

wherein said first member of said second planetary gear set and said first member of said third planetary gear set comprise a single elongated ring gear;

wherein said second planetary gear set is a simple planetary gear set, and said third planetary gear set is a compound planetary gear set; and

said first, second, third, fourth, fifth and sixth torque-transmitting mechanisms being engaged in combinations of three to establish seven forward speed ratios and a reverse speed ratio between said input shaft and said output shaft.

8. (original) The transmission of claim 7, wherein said shaft which is connected to the sun gear of the first planetary gear set is hollow and includes substantially radially-extending apertures to carry the fluid to said third and sixth torque-transmitting mechanisms.

9. (cancelled)

10. (cancelled)

11. (cancelled)